

## **CLAIMS**

1. An apparatus comprising:

- a. a plurality of client applications which generate service requests;
- b. a service application responsively coupled to said plurality of client applications;
- c. a first service request requiring Input/Output activity and computational activity generated by a first one of said plurality of client applications transferred to said service application;
- d. a first thread pool responsively coupled to said service application which handles said Input/Output activity of said first service request; and
- e. a second thread pool responsively coupled to said service application which handles said computational activity of said first service request.

2. The apparatus of claim 1 further comprising a first client key which uniquely identifies said first one of said plurality of client applications to said first thread pool and said second thread pool.

3. The apparatus of claim 2 wherein a second one of said plurality of client applications generates a second service request transferred to said service application requiring Input/Output activity and computational activity..

4. The apparatus of claim 3 further comprising a second client key which uniquely identifies said second one of said plurality of client applications to said first thread pool and said second thread pool.
- 5 5. The apparatus of claim 4 further comprising a user terminal responsively coupled to a data base management system via a publically accessible digital data communication network and wherein said first client application is located within said user terminal and said service application is located within said data base management system.
- 10 6. A method of managing a service request requiring Input/Output activity and computational activity of a client application by a service application comprising:
- a. transferring said service request from said client application to said service application;
  - b. handling said Input/Output activity using a first thread pool; and
  - 15 c. .handling said computational activity using a second thread pool.
7. A method according to claim 6 further comprising a client identifier which identifies said client application to said first thread pool and said second thread pool.
- 20 8. A method according to claim 7 wherein said transferring step further comprises transferring said service request to said service application via a publically accessible digital data communication network.

9. A method according to claim 8 further comprising a user terminal wherein said client application is located within said user terminal.

10. A method according to claim 9 further comprising a data base management system wherein said service application is located within said data base management system.

11. An apparatus comprising:

a. means for generating a service request requiring Input/Output activity and computational activity;

b. means responsively coupled to said generating means for honoring said service request via said Input/Output activity and said computational activity;

c. first thread pool means responsively coupled to said honoring means for handling said Input/Output activity; and

d. second thread pool means responsively coupled to said honoring means for handling said computational activity.

12. An apparatus according to claim 11 further comprising means for uniquely identifying said generating means to said first thread pool means and said second thread pool means.

13. An apparatus according to claim 12 wherein said identifying means further comprises a client key.

14. An apparatus according to claim 13 wherein said honoring means further comprises a data base management system.

15. An apparatus according to claim 14 wherein said generating means further comprises a user terminal.

16. In a data processing system having a client application which generates a service request requiring Input/Output activity and computational activity responsively coupled to a service application, the improvement comprising:

a. a first thread pool responsively coupled to said service application for handling said Input/Output activity; and

b. a second thread pool responsively coupled to said service application for handling said computational activity.

17. The improvement according to claim 16 further comprising a client key which identifies said client application to said first thread pool and said second thread pool.

18. The improvement according to claim 17 further comprising a user terminal containing said client application.

19. The improvement according to claim 18 further comprising a publically accessible digital data communication network responsively coupled between said user terminal and said service

application..

20. The improvement according to claim 19 further comprising a data base management system containing said service application.

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21. An apparatus comprising:

- a. a plurality of client applications which generate a plurality of service requests;
- b. a service application responsively coupled to said plurality of client applications;
- c. a first of said plurality of service requests requiring Input/Output activity and  
10 computational activity generated by a first one of said plurality of client applications transferred to said service application;
- d. a first thread pool responsively coupled to said service application which handles said Input/Output activity of said first service request;
- e. a second thread pool responsively coupled to said service application which handles  
15 said computational activity of said first service request.
- f. a first client key which uniquely identifies said first one of said plurality of client applications to said first thread pool and said second thread pool;
- g. wherein a second one of said plurality of client applications generates a second service request transferred to said service application requiring Input/Output activity and  
20 computational activity;
- h. a second client key which uniquely identifies said second one of said plurality of client applications to said first thread pool and said second thread pool; and

i. a user terminal responsively coupled to a data base management system via a publically accessible digital data communication network and wherein said first client application is located within said user terminal and said service application is located within said data base management system.